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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/652,999	08/31/2000	D. Mark Durcan	98-1068.02	6501
27073 75	590 04/22/2005		EXAMINER	
LEFFERT JAY & POLGLAZE, P.A.			NGUYEN, DILINH P	
P.O. BOX 581009 MINNEAPOLIS, MN 55458-1009			ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 04/22/2003	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	09/652,999	DURCAN ET AL.			
Office Action Summary	Examiner	Art Unit			
•	DiLinh Nguyen	2814			
The MAILING DATE of this communica					
Period for Reply	.,				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATION OF COMMUNICATION OF THIS COMMUNICATION	ATION. 7 CFR 1.136(a). In no event, however, may a cation. ays, a repty within the statutory minimum of the corp period will apply and will expire SIX (6) MC by statute, cause the application to become A	reply be timely filed inty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed	on <u>03 August 2004</u> .				
2a) This action is FINAL . 2b)					
3) Since this application is in condition for closed in accordance with the practice					
Disposition of Claims					
4) ⊠ Claim(s) 29 and 67 is/are pending in the 4a) Of the above claim(s) is/are 5) ⊠ Claim(s) 67 is/are allowed. 6) ⊠ Claim(s) 29 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction	withdrawn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the E	Examiner.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection	- · · · · · · · · · · · · · · · · · · ·				
Replacement drawing sheet(s) including the same of the control of the same of					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of application from the International	ocuments have been received. Ocuments have been received in the priority documents have been all Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO-1449 or PT Paper No(s)/Mail Date 8/3/04.)-948) Paper N	y Summary (PTO-413) D(s)/Mail Date f Informal Patent Application (PTO-152) 			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 29 is rejected under 35 U.S.C. 102(b) as being anticipated by Dennison (U.S. Pat. 5362666).

Dennison disclose a method for forming a container capacitor, comprising: providing a cup shaped bottom electrode 42 (fig. 4, column 10, lines 35-37);

providing an insulating layer 32 around and in contact with an exterior surface of the cup shaped bottom electrode (fig. 4, column 10, lines 15-20);

masking a first partial circumferential portion of the insulating layer 32 (etch stop layer 30 is a mask layer) (fig. 5, column 10, lines 15-17) (noted that Baklanov et al. U.S. Pat. 6245489 disclose that a hard mask layer functions as an etch stop layer (column 7, lines 18-20)).

etching a second partial circumferential portion of the insulating layer from a partial circumferential part of the exterior surface to expose the part of the exterior surface (figs. 4-5);

depositing a dielectric layer 50 on the part of the exterior surface; and depositing a conductive layer 52 on the dielectric layer (fig. 6A).

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REASONS FOR ALLOWANCE

Claim 67 is allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record fail to disclose the combination of the process steps of forming a container capacitor recited in the base claim, including the process step of etching a second portion of the insulating layer from a first region of the exterior surface to expose the first region of the exterior surface, such that the insulating layer remains in contact with an entire vertical height of a remaining region of the exterior surface.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DiLinh Nguyen whose telephone number is (571) 272-1712. The examiner can normally be reached on 8:00AM - 6:00PM (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DLN

HOAI PHAM PRIMARY EXAMINER